



Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401-1927
Telephone (612) 330-5500

October 9, 1991

Prairie Island Technical Specifications
Section 6.7.A.3

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket No. 50-282 License No. DPR-42
50-306 DPR-60

Monthly Operating Report
September 1991

Attached is the Monthly Operating Report for September 1991 for the Prairie Island Generating Plant.

Thomas M Parker
Manager
Nuclear Support Service

TMP/mkl

C: Director, Office of Resource Management
Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
MPCA
Attn: J W Ferman

Attachment

9110110062 910930
PDR ADDCK 05000282
R PDR

JE24 11

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE OCTOBER 3, 1991

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1991

Unit One was base loaded this month, there were no shutdowns.

CURRENT CONTINUOUS OPERATING RUN OF 41 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-282

UNIT PRAIRIE ISLAND NO. 1

DATE OCTOBER 3, 1991

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1991

DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

1	508
2	511
3	512
4	510
5	516
6	516
7	512
8	515
9	513
10	515
11	516
12	518
13	517
14	516
15	516
16	517
17	525
18	518
19	527
20	523
21	523
22	527
23	523
24	524
25	525
26	524
27	524
28	525
29	524
30	524

AVERAGE LOADS ABOVE 503 MWE-NET ARE DUE
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-282
UNIT PRAIRIE ISLAND NO. 1
DATE OCTOBER 3, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 1
2. REPORTING PERIOD: SEPTEMBER 1991
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 534
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 503
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7)
SINCE LAST REPORT GIVE REASON: NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	720	6551	155951
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5779.3	132739.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	5571.1
14. HOURS GENERATOR OFF-LINE	720.0	5734.8	131147.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1183922	9034891	206697045
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	396620	3002640	67865550
18. NET ELECTRICAL ENERGY GENERATED (MWH)	373555	2824836	63707847
19. UNIT SERVICE FACTOR	100.0	87.5	84.1
20. UNIT AVAILABILITY FACTOR	100.0	87.5	84.1
21. UNIT CAPACITY FACTOR (USING MDC NET)	103.1	85.7	81.2
22. UNIT CAPACITY FACTOR (USING DER NET)	97.9	81.4	77.1
23. UNIT FORCED OUTAGE RATE	0.0	1.7	5.5
24. FORCED OUTAGE HOURS	0.0	99.8	7640.1
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):	<u>N/A</u>		

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-282
 UNIT NAME PRAIRIE ISLAND NO 1
 DATE OCTOBER 3, 1991
 COMPLETED BY DALE DUGSTAD
 TELEPHONE 612-384-1121-4376

MONTH: SEPTEMBER 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
91/09/00	none.						

TYPE	REASON	METHOD	SYSTEM CODE
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984(P805-D5)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE OCTOBER 3, 1991

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1991

Unit Two was base loaded this month, there were no shutdowns.

On the 15th the Unit's power was reduced to about half to allow condenser tube cleaning and on the 2nd the Unit was in load follow operation.

CURRENT CONTINUOUS OPERATING RUN OF 274 DAYS.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-306

UNIT PRAIRIE ISLAND NO. 2

DATE OCTOBER 3, 1991

COMPLETED BY DALE DUGSTAD

TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1991

DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

1	507
2	474
3	509
4	509
5	513
6	512
7	509
8	511
9	509
10	510
11	513
12	513
13	512
14	507
15	278
16	513
17	517
18	517
19	523
20	519
21	520
22	523
23	521
24	520
25	522
26	521
27	519
28	522
29	520
30	521

AVERAGE LOADS ABOVE 500 MWE-NET ARE DUE
TO COOLER CONDENSER CIRCULATING WATER

OPERATING DATA REPORT

DOCKET NO. 50-306
UNIT PRAIRIE ISLAND NO. 2
DATE OCTOBER 3, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

OPERATING STATUS

1. UNIT NAME: PRAIRIE ISLAND NO. 2
2. REPORTING PERIOD: SEPTEMBER 1991
3. LICENSED THERMAL POWER (MWT): 1650
4. NAMEPLATE RATING (GROSS MWE): 593
5. DESIGN ELECTRICAL RATING (NET MWE): 530
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 531
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 500
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7)
SINCE LAST REPORT GIVE REASON: NONE
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTIONS, IF ANY: NONE

	<u>THIS MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. HOURS IN REPORTING PERIOD	720	6551	147069
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	6551.0	130238.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1516.1
14. HOURS GENERATOR ON-LINE	720.0	6551.0	128922.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1166386	10672124	204139122
17. GROSS ELECTRICAL ENERGY GENERATED (H)	386770	3524050	66303460
18. NET ELECTRICAL ENERGY GENERATED (Mwh)	364376	3327477	62688968
19. UNIT SERVICE FACTOR	100.0	100.0	87.7
20. UNIT AVAILABILITY FACTOR	100.0	100.0	87.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	101.2	101.6	85.3
22. UNIT CAPACITY FACTOR (USING DER NET)	95.5	95.8	80.4
23. UNIT FORCED OUTAGE RATE	0.0	0.0	3.0
24. FORCED OUTAGE HOURS	0.0	0.0	3964.0
25. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE & DURATION OF EACH):			

N/A

26. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP DATE: N/A

UNIT SHUTDOWNS AND POWER REDUCTION

DOCKET NO 50-306
UNIT NAME PRAIRIE ISLAND NO. 2
DATE OCTOBER 3, 1991
COMPLETED BY DALE DUGSTAD
TELEPHONE 612-388-1121-4376

MONTH: SEPTEMBER 1991

DATE YY/MM/DD	TYPE	HOURS 000.0	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT
91/09/15	S	0.0	B	5	N/A	N/A	N/A
			Condenser tube cleaning.				
91/09/02	S	0.0	B	5	N/A	N/A	N/A
			Load follow operation.				

TYPE	REASON	METHOD	SYSTEM CODE
F-FORCED	A-EQUIPMENT FAILURE	1-MANUAL	DRAFT IEEE STD
S-SCHED	B-MAINTENANCE OR TEST	2-MANUAL TRIP	805-1984(P805-05)
	C-REFUELING	3-AUTO TRIP	
	D-REGULATORY RESTRICTION	4-CONTINUED	
	E-OPERATOR TRAINING & LICENSE EXAMINATION	5-REDUCED LOAD	COMPONENT CODE
	F-ADMINISTRATIVE	9-OTHER	IEEE STD 803A-1983
	G-OPERATIONAL ERROR		
	H-OTHER		